

# CARABAO

## Situation Report

January - December 2016



May 2017



REPUBLIC OF THE PHILIPPINES

PHILIPPINE STATISTICS AUTHORITY

SOLID ■ RESPONSIVE ■ WORLD-CLASS

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**REPUBLIC OF THE PHILIPPINES**

**PRESIDENT RODRIGO ROA DUTERTE**



**REPUBLIC OF THE PHILIPPINES**  
**PHILIPPINE STATISTICS AUTHORITY**

**LISA GRACE S. BERSALES, PhD**  
*National Statistician and Civil Registrar General*

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Quezon City, Philippines

## FOREWORD

This statistical report is entitled Carabao Situation Report. It presents the industry situation in terms of inventory by farm type and age group; volume of production, number of heads slaughtered in slaughterhouses; carabeef meat imports; and monthly average farmgate price which is released quarterly by the Philippine Statistics Authority (PSA).

This report was prepared by the Livestock and Poultry Statistics Division (LPSD) of the PSA. It is intended to serve as ready reference for our various clients and stakeholders in the agriculture sector.

The PSA would appreciate comments and suggestions from our data users and readers for further improvement of this report.

**LISA GRACE S. BERSALES, PhD**  
National Statistician

Quezon City, Philippines  
May 2017



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## TECHNICAL NOTES

The Carabao Industry Performance Report presents the industry situation in terms of inventory by farm type and age classification; volume of production; supply and disposition; and monthly average farmgate prices for the first semester of 2016.

This report is released every May covering whole year (January to December) as the reference period.

The data for this report is collected by the Philippine Statistics Authority (PSA) through the two (2) major surveys, namely:

- 1) The Backyard Livestock and Poultry Survey (BLPS) which covers one (1) of the four (4) replicate samples of the Palay and Corn Production Survey (PCPS). It consists of 15,069 sample households in 1,051 sample barangays nationwide; and,
- 2) The Commercial Livestock and Poultry Survey (CLPS) which covers 144 independent farms as of January 2017. A carabao farm is considered commercial when it has a farm capacity of at least 21 heads of adult carabao.

Both surveys are conducted semi-annually (January and July) simultaneously in all provinces.

Another survey that supplements the statistical requirements of the livestock and poultry sub-sector is the Survey of Slaughterhouses and Poultry Dressing Plants (SSHDPDP)<sup>1</sup>. This covers around 1,387 Accredited (AAA and AA) and Locally Registered Meat Establishments (LRMEs) nationwide and is undertaken in coordination with the National Meat Inspection Service (NMIS).

### Concepts and Definitions

**Backyard Farm** refers to any farm or household whether farming or non-farming raising at least one head of animal and does not qualify as a commercial farm.

**Commercial Farm** refers to any livestock farm which satisfied at least one of the following conditions:

- At least tending 21 heads of adult and zero head of young
- At least tending 41 heads of young animals
- At least tending 10 heads of adult and 22 heads of young

**Death/Losses** refers to the number of animals that died due to pests, diseases and calamities.

**Farmgate Price** refers to the price received by farmers, livestock and poultry raisers for the sale of their produce at the first point of sale net of freight.

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<sup>1</sup> formerly known as Survey of Abattoirs and Dressing Plants (SADP)

## NOTES--Continued

**Inventory** refers to the actual number of domesticated animals present in the farm as of a specific reference date.

- *Beginning Inventory is the number of live animals at beginning of the reference period i.e. for January to March, the beginning inventory is as of January 1.*
- *Ending Inventory is the number of live animals at the end of the reference period i.e. for January to March, the remaining inventory is as of April 1.*

**Imports** refers to the number of live animals originating from foreign country i.e. live breeders and Feeders. recorded by the Bureau of Animal Industry – National Veterinary Quarantine Services (BAI-NVQS). Meanwhile, meat importation data came from the Trade Statistics Division (TSD) of PSA.

The meat importation data from 2012 – 2015 was revised as a result of the harmonization with Agricultural Accounts Division (AAD).

**Locally Registered Meat Establishment (LRME)** are slaughterhouses, meat processing plants, meat cutting plants and cold storages that are allowed to operate by the city/municipal government but are not accredited by the NMIS

**Slaughterhouse (SH)** are premises that are approved and registered by the NMIS and LGUs in which food animals are slaughtered for human consumption.

**Slaughtered in Slaughterhouses** refers to the number of animals slaughtered in accredited (AAA, AA, A) slaughterhouses including number of animals slaughtered in LRMEs.

**Supply and Disposition** refers to a framework that explains the population dynamics of animals in the farm including born live, imports, deaths and losses, number of animals slaughtered in the farm/household and sold live for slaughter which serves as supporting information or indicators to the volume of production estimates.

**Value of Production** this refers to the value of the animal with reference to its farmgate price. It is derived by multiplying the volume of production by its farmgate price.

**Volume of Production** this refers to the volume of locally-raised animals disposed for slaughter which include animals shipped-out for slaughter. This is expressed in thousand metric tons, liveweight

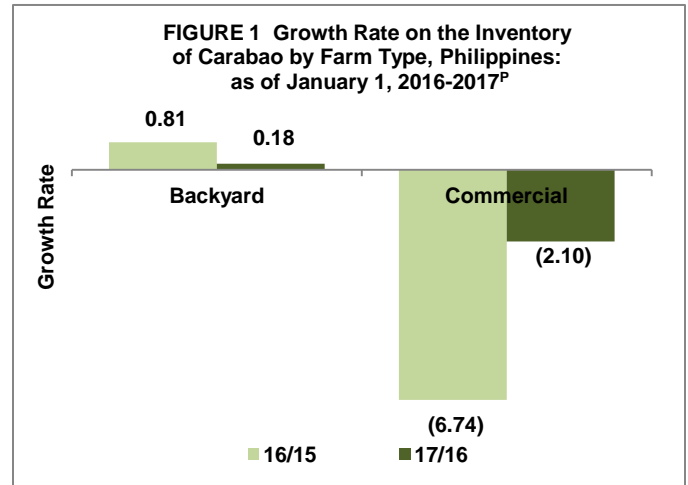


## Standard Symbols, Units of Measure and Acronyms used in this report

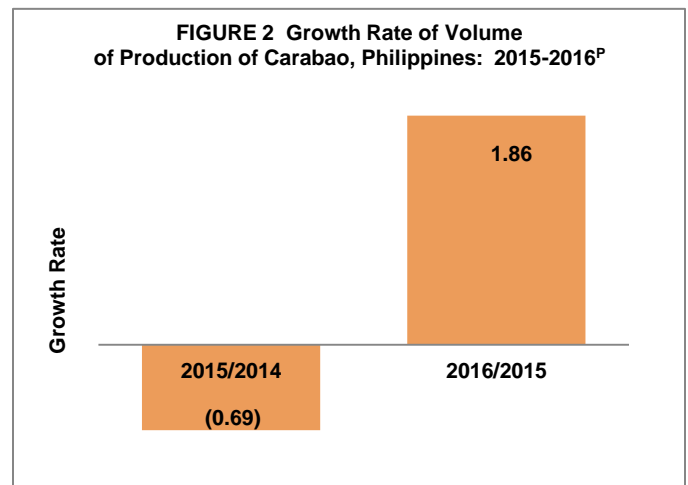
--	Data not available
-	Nil
p	Preliminary
r	Revised
Kg	Kilogram
M	Million
MT	Metric ton
C.I.F	Cost, Insurance and Freight
PhP	Philippine Peso
US\$	US dollar
CAR	Cordillera Administrative Region
ARMM	Autonomous Region in Muslim Mindanao
MIMAROPA	Occidental Mindoro, Oriental Mindoro, Marinduque, Romblon, Palawan
CALABARZON	Cavite, Laguna, Batangas, Rizal, Quezon
SOCCKSARGEN	South Cotabato, Cotabato City, Sultan Kudarat, Sarangani, General Santos City
NIR	Negros Island Region

## HIGHLIGHTS

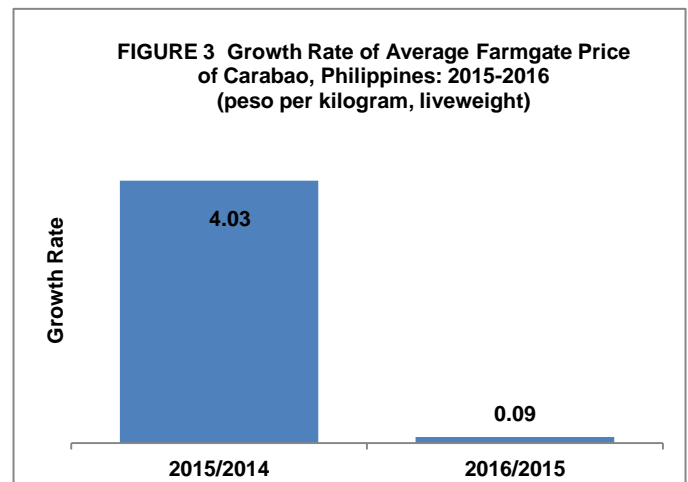
As of January 1, 2017, the total inventory of carabao in the Philippines stood at 2.88 million heads. Carabao stocks in commercial farms decreased by 2.10 percent. While inventory in backyard farms increased by 0.18 percent. (Table 1)



Annual volume of production of carabao increased by 1.86 percent in 2016. (Table 2)



The annual average farmgate price of live carabao went up by 0.09 percent compared with the last years' quotation. (Table 7)



## INVENTORY

**TABLE 1 Inventory of Carabao by Farm Type and Age Group, Philippines: as of January 1, 2015-2017 (number of heads)**

Item	2015	2016 <sup>r</sup>	2017 <sup>p</sup>	Percent Change	
				15/14	17/16
<b>TOTAL</b>	<b>2,854,838</b>	<b>2,877,093</b>	<b>2,881,894</b>	<b>0.78</b>	<b>0.17</b>
<b>BACKYARD</b>	<b>2,842,768</b>	<b>2,865,836</b>	<b>2,870,873</b>	<b>0.81</b>	<b>0.18</b>
<b>COMMERCIAL</b>	<b>12,070</b>	<b>11,257</b>	<b>11,021</b>	<b>(6.74)</b>	<b>(2.10)</b>
CARABULLS (Male, 3 years old and above)	844,001	797,345	837,729	(5.53)	5.06
Backyard	843,004	796,287	836,696	(5.54)	5.07
Commercial	997	1,058	1,033	6.12	(2.36)
CARACOWS (Female, 3 years old and above)	1,127,429	1,147,479	1,132,347	1.78	(1.32)
Backyard	1,121,092	1,142,127	1,127,234	1.88	(1.30)
Commercial	6,337	5,352	5,113	(15.54)	(4.47)
CARAHEIFERS (2 to 3 years old)	265,295	289,434	298,223	9.10	3.04
Backyard	262,993	287,188	296,019	9.20	3.07
Commercial	2,302	2,246	2,204	(2.43)	(1.87)
YEARLINGS <sup>1/</sup> (0 to 2 years old)	498,948	502,043	487,466	0.62	(2.90)
Backyard	497,297	500,049	485,356	0.55	(2.94)
Commercial	1,651	1,994	2,110	20.78	5.82
OTHERS <sup>2/</sup>	119,165	140,792	126,129	18.15	(10.41)
Backyard	118,382	140,185	125,568	18.42	(10.43)
Commercial	783	607	561	(22.48)	(7.58)

p-Preliminary

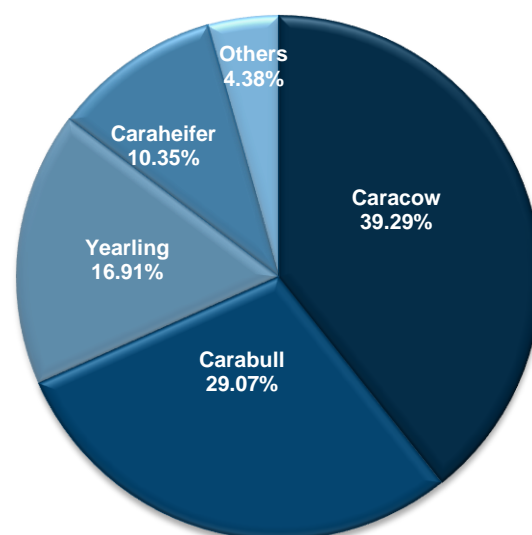
r-Revised

<sup>1/</sup> Male and female including caracalves

<sup>2/</sup> Include castrated and ready to breed carabull

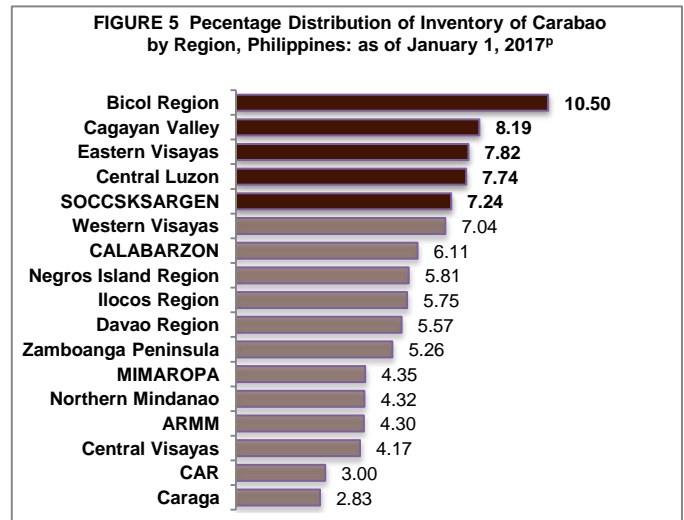
- As of January 1, 2017, the total inventory of carabao was estimated at 2.88 million heads, an increase of 0.17 percent from previous years' stocks of 2.88 million heads. Inventory in backyard farms reported a minimal increase of 0.18 percent. However, commercial farms stocks decreased by 2.10 percent.
- Inventory of caracows in backyard and commercial farms decrease by 1.30 percent and 4.47 percent, respectively. It contributed 39.29 percent to the total population of carabaos.
- Carabulls and caraheifers which shared 39.42 percent to total carabao stock recoded an increase of 5.06 percent and 3.04 percent, respectively. Total inventory of yearlings and other carabaos declined by 2.90 percent and 10.41 percent, respectively.

**FIGURE 4 Distribution of Inventory of Carabao by Age Group, Philippines: as of January 1, 2017<sup>p</sup>**

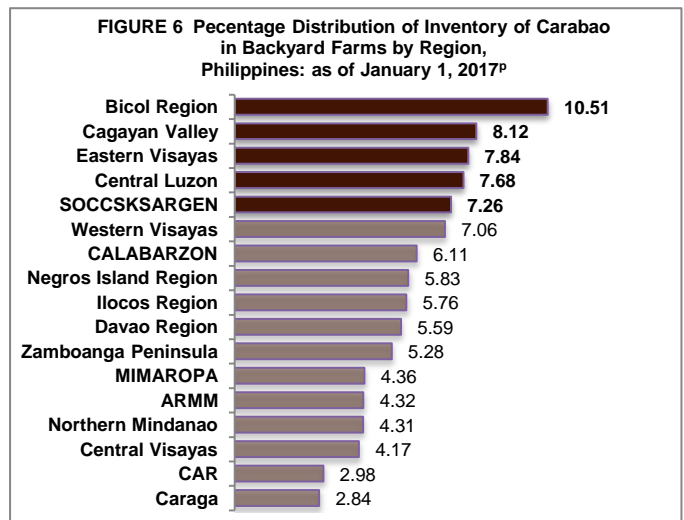


**DISTRIBUTION OF INVENTORY BY REGION**

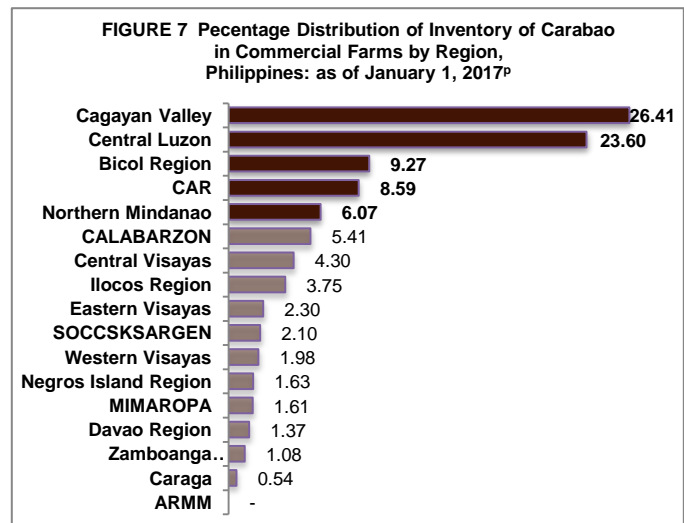
- The top five (5) regions with highest inventory of carabao both in backyard and commercial farms were Bicol Region, Cagayan Valley, Eastern Visayas, Central Luzon and SOCCSKSARGEN. These regions contributed 41.49 percent of the country's total carabao inventory.



- The top five (5) regions with highest inventory of carabao in backyard farms were Bicol Region, Cagayan Valley, Eastern Visayas, Central Luzon and SOCCSKSARGEN. These regions contributed 41.41 percent of the country's inventory in backyard farms.



- Commercial farms in Cagayan Valley and Central Luzon recorded highest inventory of 26.41 and 23.60 percent contribution, respectively.



## PRODUCTION

**TABLE 2 Volume of Production of Carabao by Semester and Quarter, Philippines:  
2014-2016<sup>p</sup> ('000 metric ton, liveweight)**

Item	2014	2015	2016 <sup>p</sup>	Percent Change	
				15/14	16/15
<b>Total (Jan-Dec)</b>	<b>143.03</b>	<b>142.04</b>	<b>144.69</b>	<b>(0.69)</b>	<b>1.86</b>
Jan-Mar	30.82	30.67	30.07	(0.52)	(1.93)
Apr-Jun	39.13	38.28	40.30	(2.19)	5.28
Jul-Sep	30.35	30.10	30.55	(0.81)	1.49
Oct-Dec	42.73	43.00	43.76	0.63	1.78

**p - Preliminary**

- The total volume of production in 2016 at 144.69 thousand metric tons, liveweight, was 1.86 percent higher than the 2015 production of 142.04 thousand metric tons.
- Increases in production were noted from April-June to October-December of 2016. Highest increase in production was recorded in the second quarter of 2016 at 5.28 percent, it recovered from a 1.93 percent decline in output during Jan-March 2016.

**TABLE 3 Annual Value of Production of Carabao, Philippines: 2014-2016<sup>p</sup>  
(million pesos)**

Item	2014	2015	2016 <sup>p</sup>	Percent Change	
				15/14	16/15
Current Prices	10,740.12	11,099.79	11,327.00	3.35	2.05
Constant Prices ( 2000)	5,360.76	5,324.03	5,422.61	(0.69)	1.85

**p - Preliminary**

- In 2016, the gross value of production for carabao amounted to PhP 11.33 Billion at current price. This was 2.05 percent higher than the previous years' record of PhP 11.10 Billion. Likewise, the gross value of production at constant prices increase from PhP 5,324.03 Million to PhP 5,422.61 Million.

## CARABAO PRODUCTION BY REGION

**TABLE 4 Annual Volume of Carabao Production by Region,  
Philippines: 2014-2016<sup>P</sup>  
(metric tons, liveweight)**

REGION	YEAR			Percentage Change	
	2014	2015	2016	15/16	16/15
<b>PHILIPPINES</b>	<b>143,034</b>	<b>142,042</b>	<b>144,685</b>	<b>(0.69)</b>	<b>1.86</b>
CAR	3,273	3,145	3,106	(3.92)	(1.25)
Ilocos Region	10,161	10,674	10,298	5.05	(3.52)
Cagayan Valley	10,549	9,924	10,698	(5.93)	7.80
Central Luzon	6,914	6,886	6,767	(0.41)	(1.73)
CALABARZON	7,017	7,491	7,278	6.76	(2.85)
MIMAROPA	6,701	6,086	6,168	(9.18)	1.35
Bicol Region	7,989	8,203	8,236	2.68	0.40
Western Visayas <sup>1</sup>	21,193	21,445	13,072	1.19	(39.04)
Central Visayas <sup>2</sup>	6,736	6,894	4,912	2.35	(28.74)
Eastern Visayas	11,368	11,180	10,924	(1.65)	(2.29)
Zamboanga Peninsula	7,233	7,383	7,613	2.07	3.12
Northern Mindanao	8,927	8,986	9,601	0.66	6.84
Davao Region	11,985	12,943	13,182	8.00	1.84
SOCCSKSARGEN	12,330	10,872	10,834	(11.82)	(0.35)
Caraga	2,911	2,677	2,625	(8.03)	(1.96)
ARMM	7,747	7,253	7,316	(6.37)	0.86
Negros Island Region <sup>3</sup>	-	-	12,055	-	-

**p—Preliminary**

**1—including Negros Occidental in 2015**

**2—including Negros Oriental in 2015**

**3- comprising Negros Occidental and Negros Oriental**

- Carabao production in 2016 was about 144,685 metric tons, liveweight and increased by 1.86 percent. Davao Region was the major producer of carabao in 2016 with 13,182 metric tons, liveweight or 9.11 percent share to countrys' carabao production. It was followed by Western Visayas and Negros Island Region with production of 13,072 and 12,055 metric tons, liveweight, respectively.

## SUPPLY AND DISPOSITION

**TABLE 5 Annual Supply and Disposition of Carabao, Philippines: 2014-2016<sup>p</sup>**  
(number of live animals)

Item	2014 <sup>r</sup>	2015 <sup>r</sup>	2016 <sup>p</sup>	Percent Change	
				2015/2014	2016/2015
<b>TOTAL SUPPLY</b>	<b>3,361,769</b>	<b>3,365,592</b>	<b>3,376,458</b>	<b>0.11</b>	<b>0.44</b>
Beginning Inventory <sup>1/</sup>	2,847,445	2,854,838	2,877,091	0.26	1.04
Born Alive	514,324	510,754	499,367	(0.69)	(2.91)
Imports <sup>2/</sup>	0	0	0		
<b>DISPOSITION</b>	<b>506,931</b>	<b>488,501</b>	<b>494,564</b>	<b>(3.64)</b>	<b>(2.44)</b>
Slaughtered	461,493	453,699	464,687	(1.69)	0.69
Deaths/Losses <sup>3/</sup>	45,438	34,802	29,877	(23.41)	(34.25)
<b>ENDING INVENTORY</b>	<b>2,854,838</b>	<b>2,877,091</b>	<b>2,881,894</b>	<b>0.78</b>	<b>0.95</b>

p-Preliminary

r-Revised

1/ As of Jan. 1

2/ No importation of live breeders as recorded by Bureau of Animal Industry-National Veterinary Quarantine Services

3/ Mortality due to diseases

- The 2016 total supply of live carabao at 3.38 million heads was 0.44 percent higher than the 3.37 million heads in 2015.
- Total disposition of live carabao in 2016 at 494.6 thousand heads decreased by 2.44 percent. Significant drop in death and losses at 34.25 percent was noted during the year.

## IMPORTS

**TABLE 6 Volume and Value of Carabeef Imports by Quarter, Philippines: 2013-2016**

ITEM	2013 <sup>r</sup>	2014 <sup>r</sup>	2015 <sup>r</sup>	2016 <sup>p</sup>	Percent Change	
					15/14	16/15
<b>Volume (MT)</b>	<b>27,608.44</b>	<b>39,370.35</b>	<b>42,400.73</b>	<b>37,993.50</b>	<b>7.70</b>	<b>(10.39)</b>
Jan-Mar	6,068.09	9,136.73	11,727.92	8,143.39	28.36	(30.56)
Apr-Jun	7,536.73	8,219.49	8,455.33	10,703.31	2.87	26.59
Jul-Sep	7,527.54	9,484.29	10,765.37	9,948.17	13.51	(7.59)
Oct-Dec	6,476.09	12,529.84	11,452.11	9,198.64	(8.60)	(19.68)
<b>Value (CIF '000 US\$)</b>	<b>80,468.76</b>	<b>117,376.72</b>	<b>120,580.55</b>	<b>101,772.33</b>	<b>2.73</b>	<b>(15.60)</b>
Jan-Mar	16,344.00	27,840.01	33,162.10	21,293.52	19.12	(35.79)
Apr-Jun	21,125.48	23,561.08	23,221.90	28,770.74	(1.44)	23.89
Jul-Sep	23,538.27	29,035.93	31,184.80	26,755.04	7.40	(14.20)
Oct-Dec	19,461.01	36,939.70	33,011.75	24,953.02	(10.63)	(24.41)

p-Preliminary                      r-Revised

CIF - Cost, Insurance and Freight

Source: Trade Statistics Division, Philippine Statistics Authority (TSD, PSA)

- The volume of imported carabeef for 2016 at 37.99 thousand metric tons was 10.39 percent lower than previous year's record. Decreases in the volume of carabeef imports were recorded in all quarters of 2016 except for April to June wherein carabeef imports increased by 26.59 percent.
- Imports of carabeef at US\$ 107.77 million dropped by 15.60 percent compared with 2015 level.



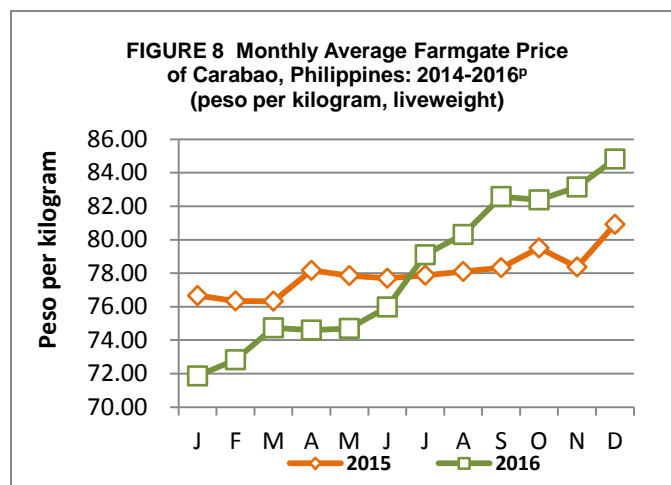
PRICES

**TABLE 7 Monthly Average Farmgate Price of Carabao, Philippines: 2014-2016<sup>P</sup>**  
(peso per kilogram, liveweight)

Month	2014	2015 <sup>r</sup>	2016 <sup>P</sup>	Percent Change	
				2015/2014	2016/2015
<b>Annual Average</b>	<b>74.99</b>	<b>78.01</b>	<b>78.09</b>	<b>4.03</b>	<b>0.09</b>
January	72.45	76.66	71.86	5.81	(6.26)
February	72.77	76.34	72.83	4.91	(4.60)
March	72.94	76.33	74.73	4.65	(2.09)
April	74.01	78.17	74.60	5.62	(4.57)
May	74.61	77.86	74.70	4.36	(4.06)
June	76.42	77.70	75.98	1.67	(2.21)
July	75.89	77.88	79.10	2.62	1.57
August	75.99	78.10	80.31	2.78	2.83
September	76.20	78.33	82.58	2.80	5.43
October	76.07	79.51	82.38	4.52	3.61
November	75.97	78.37	83.15	3.16	6.10
December	76.61	80.92	84.82	5.63	4.82

Source: Price Statistics Division, Philippine Statistics Authority (PSD, PSA)

- The average farmgate price of carabao in 2016 was PhP 78.09 per kilogram, liveweight, a slight increase of 0.09 percent than the previous year's average price of PhP 78.01 per kilogram, liveweight.
- For the past three (3) years, the highest farmgate price was recorded during the month of December 2016 at PhP 84.82 per kilogram, liveweight and the lowest was in January 2016 at PhP 71.86 per kilogram, liveweight.
- During the first semester of the year, monthly prices decreases from 6.26 percent to 2.21 percent in June 2016. Price started to increase in July 2016 which settled at 1.57 percent increase or Php 79.10 per kilogram, liveweight.



**CARABAO SITUATION REPORT**

**TABLE 8 Inventory of Carabao by Farm Type, Region and Philippines: as of January 1 and July 1, 2015-2017  
(number of heads)**

REGION	2015		2016		2017P
	Jan 1	July 1	Jan 1	July 1	Jan 1
<b>TOTAL</b>					
<b>PHILIPPINES</b>	<b>2,854,838</b>	<b>2,874,607</b>	<b>2,711,154</b>	<b>2,722,446</b>	<b>2,714,474</b>
CAR	86,023	87,949	86,265	86,864	86,509
Ilocos Region	160,310	161,473	163,561	164,674	165,850
Cagayan Valley	247,171	244,549	242,831	238,759	235,936
Central Luzon	217,665	223,338	223,978	222,563	223,036
CALABARZON	171,696	171,279	170,091	176,721	176,002
MIMAROPA	117,107	118,342	121,219	122,504	125,254
Bicol Region	278,331	281,115	288,641	292,880	302,610
Western Visayas <sup>1/</sup>	312,583	311,415	208,093	205,928	202,909
Central Visayas <sup>2/</sup>	177,952	178,846	118,867	120,013	120,202
Eastern Visayas	233,613	236,892	230,637	233,069	225,421
Zamboanga Peninsula	144,969	144,835	149,471	148,631	151,585
Northern Mindanao	125,189	126,758	125,772	125,410	124,501
Davao Region	162,801	165,548	162,219	163,821	160,519
SOCCSKSARGEN	213,500	211,883	211,722	208,408	208,684
CARAGA	80,159	80,606	80,117	81,164	81,487
ARMM	125,769	129,779	127,670	131,037	123,969
Negros Island Region <sup>3/</sup>	-	-	165,937	165,787	167,420
<b>BACKYARD</b>					
<b>PHILIPPINES</b>	<b>2,842,768</b>	<b>2,862,721</b>	<b>2,865,836</b>	<b>2,876,942</b>	<b>2,870,873</b>
CAR	85,094	86,975	85,338	85,923	85,562
Ilocos Region	159,947	161,071	163,164	164,276	165,437
Cagayan Valley	244,177	241,612	239,898	235,827	233,025
Central Luzon	214,003	219,704	220,851	219,636	220,435
CALABARZON	170,909	170,590	169,504	176,009	175,406
MIMAROPA	116,998	118,222	121,081	122,352	125,077
Bicol Region	277,318	280,116	287,601	291,909	301,588
Western Visayas <sup>1/</sup>	312,349	311,180	207,965	205,704	202,691
Central Visayas <sup>2/</sup>	177,403	178,358	118,383	119,562	119,728
Eastern Visayas	233,418	236,700	230,424	232,835	225,168
Zamboanga Peninsula	144,839	144,720	149,346	148,520	151,466
Northern Mindanao	124,492	126,039	125,138	124,707	123,832
Davao Region	162,651	165,383	162,056	163,653	160,368
SOCCSKSARGEN	213,319	211,725	211,557	208,207	208,453
CARAGA	80,099	80,555	80,063	81,110	81,428
ARMM	125,752	129,771	127,670	131,037	123,969
Negros Island Region <sup>3/</sup>	-	-	165,797	165,675	167,240

Continued

**CARABAO SITUATION REPORT**

**TABLE 8 --Concluded**

REGION	2015		2016		2017P
	Jan 1	July 1	Jan 1	July 1	Jan 1
<b>COMMERCIAL</b>					
<b>PHILIPPINES</b>	<b>12,070</b>	<b>11,886</b>	<b>11,255</b>	<b>11,291</b>	<b>11,021</b>
CAR	929	974	927	941	947
Ilocos Region	363	402	397	398	413
Cagayan Valley	2,994	2,937	2,933	2,932	2,911
Central Luzon	3,662	3,634	3,127	2,927	2,601
CALABARZON	787	689	587	712	596
MIMAROPA	109	120	138	152	177
Bicol Region	1,013	999	1,040	971	1,022
Western Visayas <sup>1/</sup>	234	235	128	224	218
Central Visayas <sup>2/</sup>	549	488	484	451	474
Eastern Visayas	195	192	213	234	253
Zamboanga Peninsula	130	115	125	111	119
Northern Mindanao	697	719	634	703	669
Davao Region	150	165	163	168	151
SOCCSKSARGEN	181	158	165	201	231
CARAGA	60	51	54	54	59
ARMM	17	8	-	-	-
Negros Island Region <sup>3/</sup>	-	-	140	112	180

**P-Preliminary**

**1-including Negros Occidental in 2015**

**2-including Negros Oriental in 2015**

**3- comprising Negros Occidental and Negros Oriental**

CARABAO SITUATION REPORT

**TABLE 9 Inventory of Carabao by Farm Type and Region, Philippines:  
as of January 1, 2017<sup>P</sup>  
(number of heads)**

Region	Total		Backyard		Commercial	
	Number	% Share	Number	% Share	Number	% Share
<b>PHILIPPINES</b>	<b>2,881,894</b>	<b>100.00</b>	<b>2,870,873</b>	<b>100.00</b>	<b>11,021</b>	<b>100.00</b>
CAR	86,509	3.00	85,562	2.98	947	8.59
Ilocos Region	165,850	5.75	165,437	5.76	413	3.75
Cagayan Valley	235,936	8.19	233,025	8.12	2,911	26.41
Central Luzon	223,036	7.74	220,435	7.68	2,601	23.60
CALABARZON	176,002	6.11	175,406	6.11	596	5.41
MIMAROPA	125,254	4.35	125,077	4.36	177	1.61
Bicol Region	302,610	10.50	301,588	10.51	1,022	9.27
Western Visayas	202,909	7.04	202,691	7.06	218	1.98
Negros Island Region	167,420	5.81	167,240	5.83	180	1.63
Central Visayas	120,202	4.17	119,728	4.17	474	4.30
Eastern Visayas	225,421	7.82	225,168	7.84	253	2.30
Zamboanga Peninsula	151,585	5.26	151,466	5.28	119	1.08
Northern Mindanao	124,501	4.32	123,832	4.31	669	6.07
Davao Region	160,519	5.57	160,368	5.59	151	1.37
SOCCSKSARGEN	208,684	7.24	208,453	7.26	231	2.10
Caraga	81,487	2.83	81,428	2.84	59	0.54
ARMM	123,969	4.30	123,969	4.32	-	0.00

**CARABAO SITUATION REPORT**

**TABLE 10 Volume of Production of Carabao by Region, Quarter and Semi-annual,  
Philippines: 2015-2016<sup>P</sup>  
(metric ton, liveweight)**

Cordillera Administrative Region	1,029	375	1,404	640	1,101	1,741	<b>3,145</b>
Ilocos Region	2,554	3,134	5,688	2,167	2,819	4,986	<b>10,674</b>
Cagayan Valley	1,916	3,062	4,978	1,804	3,142	4,946	<b>9,924</b>
Central Luzon	1,118	2,311	3,429	1,160	2,297	3,457	<b>6,886</b>
CALABARZON	1,461	1,911	3,372	1,483	2,636	4,119	<b>7,491</b>
MIMAROPA	1,524	1,941	3,465	1,555	1,066	2,621	<b>6,086</b>
Bicol Region	2,340	2,076	4,416	1,754	2,033	3,787	<b>8,203</b>
Western Visayas	5,667	4,766	10,433	4,720	6,292	11,012	<b>21,445</b>
Central Visayas	1,240	2,431	3,671	1,344	1,879	3,223	<b>6,894</b>
Eastern Visayas	1,402	3,784	5,186	1,983	4,011	5,994	<b>11,180</b>
Zamboanga Peninsula	2,113	2,346	4,459	1,690	1,234	2,924	<b>7,383</b>
Northern Mindanao	1,592	2,459	4,051	1,954	2,981	4,935	<b>8,986</b>
Davao Region	2,666	3,074	5,740	3,254	3,949	7,203	<b>12,943</b>
SOCCSKSARGEN	2,553	2,986	5,539	2,133	3,200	5,333	<b>10,872</b>
CARAGA	710	348	1,058	712	907	1,619	<b>2,677</b>
Autonomous Region in Muslim Mindanao	780	1,272	2,052	1,749	3,452	5,201	<b>7,253</b>

REGION	2016						
	Q 1	Q 2	SEM1	Q 3	Q 4	SEM2	ANNUAL
<b>PHILIPPINES</b>	<b>30,073</b>	<b>40,298</b>	<b>70,371</b>	<b>30,550</b>	<b>43,764</b>	<b>74,314</b>	<b>144,685</b>
Cordillera Administrative Region	1,013	405	1,418	621	1,067	1,688	<b>3,106</b>
Ilocos Region	2,625	2,848	5,473	2,213	2,612	4,825	<b>10,298</b>
Cagayan Valley	1,939	3,448	5,387	1,882	3,429	5,311	<b>10,698</b>
Central Luzon	1,150	2,210	3,360	1,144	2,263	3,407	<b>6,767</b>
CALABARZON	1,286	1,740	3,026	1,432	2,819	4,251	<b>7,277</b>
MIMAROPA	1,513	1,991	3,504	1,565	1,100	2,665	<b>6,169</b>
Bicol Region	2,304	2,054	4,358	1,812	2,066	3,878	<b>8,236</b>
Western Visayas	3,203	3,240	6,443	2,817	3,812	6,629	<b>13,072</b>
Central Visayas	731	1,518	2,249	1,100	1,563	2,663	<b>4,912</b>
Eastern Visayas	1,156	3,761	4,917	1,934	4,073	6,007	<b>10,924</b>
Zamboanga Peninsula	2,098	2,409	4,507	1,770	1,337	3,107	<b>7,614</b>
Northern Mindanao	1,568	2,858	4,426	1,983	3,192	5,175	<b>9,601</b>
Davao Region	2,522	3,464	5,986	3,283	3,913	7,196	<b>13,182</b>
SOCCSKSARGEN	2,463	3,386	5,849	2,099	2,886	4,985	<b>10,834</b>
CARAGA	745	350	1,095	700	829	1,529	<b>2,624</b>
Autonomous Region in Muslim Mindanao	861	1,399	2,260	1,711	3,345	5,056	<b>7,316</b>
Negros Island Region	2,896	3,217	6,113	2,484	3,458	5,942	<b>12,055</b>

**CARABAO SITUATION REPORT**

**TABLE 11 Annual Volume of Production of Carabao by Province, Philippines: 2014-2016<sup>P</sup>  
(metric ton, liveweight)**

REGION/PROVINCE	2014	2015	2016	Percentage Change	
				15/16	16/15
<b>PHILIPPINES</b>	<b>143,034</b>	<b>142,042</b>	<b>144,685</b>	<b>(0.69)</b>	<b>1.86</b>
CAR	3,273	3,145	3,106	(3.92)	(1.25)
Abra	1,174	1,073	1,131	(8.62)	5.45
Apayao	610	571	543	(6.44)	(4.85)
Benguet	430	448	396	4.19	(11.60)
Ifugao	496	500	489	0.71	(2.16)
Kalinga	395	392	380	(0.80)	(2.99)
Mountain Province	168	162	167	(3.54)	2.74
<b>ILOCOS REGION</b>	<b>10,161</b>	<b>10,674</b>	<b>10,298</b>	<b>5.05</b>	<b>(3.52)</b>
Ilocos Norte	1,012	924	1,001	(8.68)	8.30
Ilocos Sur	1,346	1,404	1,420	4.29	1.15
La Union	1,454	1,478	1,439	1.66	(2.66)
Pangasinan	6,349	6,868	6,439	8.17	(6.24)
<b>CAGAYAN VALLEY</b>	<b>10,549</b>	<b>9,924</b>	<b>10,698</b>	<b>(5.93)</b>	<b>7.80</b>
Batanes	39	60	54	53.65	(10.05)
Cagayan	6,611	6,218	6,265	(5.95)	0.75
Isabela	3,055	2,690	3,199	(11.95)	18.91
Nueva Vizcaya	486	518	574	6.67	10.80
Quirino	358	438	606	22.22	38.61
<b>CENTRAL LUZON</b>	<b>6,914</b>	<b>6,886</b>	<b>6,767</b>	<b>(0.41)</b>	<b>(1.73)</b>
Aurora	882	938	519	6.38	(44.73)
Bataan	390	488	542	25.15	10.94
Bulacan	410	437	469	6.62	7.35
Nueva Ecija	1,210	1,391	1,078	14.95	(22.51)
Pampanga	394	372	915	(5.67)	146.17
Tarlac	2,473	2,151	2,047	(13.02)	(4.83)
Zambales	1,155	1,109	1,198	(4.00)	8.02
<b>CALABARZON</b>	<b>7,017</b>	<b>7,491</b>	<b>7,277</b>	<b>6.76</b>	<b>(2.85)</b>
Batangas	1,026	1,044	998	1.71	(4.41)
Cavite	202	232	236	14.63	2.01
Laguna	1,721	1,818	1,815	5.65	(0.20)
Quezon	3,497	3,940	3,792	12.67	(3.74)
Rizal	571	458	436	(19.83)	(4.65)
<b>MIMAROPA</b>	<b>6,701</b>	<b>6,086</b>	<b>6,169</b>	<b>(9.18)</b>	<b>1.36</b>
Marinduque	1,436	1,378	1,348	(4.07)	(2.13)
Occidental Mindoro	2,759	2,496	2,400	(9.53)	(3.85)
Oriental Mindoro	1,778	1,686	1,693	(5.20)	0.44
Palawan	477	310	496	(35.10)	60.08
Romblon	251	217	232	(13.47)	6.74
<b>BICOL REGION</b>	<b>7,989</b>	<b>8,203</b>	<b>8,236</b>	<b>2.68</b>	<b>0.40</b>
Albay	1,456	1,474	1,224	1.24	(16.94)
Camarines Norte	870	916	1,007	5.24	9.96
Camarines Sur	1,182	1,270	1,208	7.45	(4.88)
Catanduanes	539	489	483	(9.31)	(1.25)
Masbate	2,741	2,880	3,069	5.06	6.58
Sorsogon	1,201	1,175	1,245	(2.18)	5.94
<b>WESTERN VISAYAS</b>	<b>21,193</b>	<b>21,445</b>	<b>13,072</b>	<b>1.19</b>	<b>(39.04)</b>
Aklan	1,254	1,362	1,439	8.65	5.65
Antique	1,324	1,373	1,428	3.71	3.97
Capiz	2,962	3,025	3,201	2.11	5.82

**CARABAO SITUATION REPORT**

**TABLE 11 --Concluded**

Guimaras	471	426	501	(9.47)	17.38
Iloilo	5,702	6,101	6,504	7.00	6.61
Negros Occidental	9,480	9,157		(3.40)	
<b>CENTRAL VISAYAS</b>	<b>6,736</b>	<b>6,894</b>	<b>4,912</b>	<b>2.35</b>	<b>(28.74)</b>
Bohol	2,666	2,769	2,954	3.88	6.66
Cebu	2,017	2,011	1,952	(0.28)	(2.97)
Negros Oriental	2,041	2,094		2.58	
Siquijor	12	20	7	62.67	(64.40)
<b>EASTERN VISAYAS</b>	<b>11,368</b>	<b>11,180</b>	<b>10,924</b>	<b>(1.65)</b>	<b>(2.29)</b>
Biliran	473	381	413	(19.45)	8.50
Eastern Samar	1,325	1,305	926	(1.55)	(29.00)
Leyte	5,068	5,107	5,309	0.76	3.97
Northern Samar	2,081	2,108	2,111	1.29	0.14
Samar (Western Samar)	2,065	1,956	1,807	(5.28)	(7.62)
Southern Leyte	356	324	357	(8.93)	10.19
<b>ZAMBOANGA PENINSULA</b>	<b>7,233</b>	<b>7,383</b>	<b>7,614</b>	<b>2.07</b>	<b>3.12</b>
Zamboanga del Norte	3,352	3,353	3,430	0.03	2.30
Zamboanga del Sur	2,481	2,690	2,841	8.44	5.58
Zamboanga Sibugay	1,029	1,000	955	(2.84)	(4.44)
Zamboanga City	371	340	388	(8.42)	14.09
<b>NORTHERN MINDANAO</b>	<b>8,927</b>	<b>8,986</b>	<b>9,601</b>	<b>0.66</b>	<b>6.84</b>
Bukidnon	3,983	4,039	4,463	1.40	10.50
Camiguin	45	67	103	49.93	52.96
Lanao del Norte	2,379	2,501	2,707	5.12	8.24
Misamis Occidental	1,350	1,338	1,266	(0.89)	(5.36)
Misamis Oriental	1,170	1,041	1,062	(11.03)	2.00
<b>DAVAO REGION</b>	<b>11,985</b>	<b>12,943</b>	<b>13,182</b>	<b>8.00</b>	<b>1.84</b>
Compostela Valley	1,556	1,639	1,617	5.33	(1.35)
Davao del Norte	2,202	2,378	2,262	8.00	(4.90)
Davao del Sur	4,330	4,715	4,969	8.90	5.38
Davao Oriental	903	1,121	1,079	24.10	(3.73)
Davao City	2,994	3,090	3,256	3.22	5.36
<b>SOCCKSARGEN</b>	<b>12,330</b>	<b>10,872</b>	<b>10,834</b>	<b>(11.82)</b>	<b>(0.35)</b>
North Cotabato	3,880	3,028	2,721	(21.95)	(10.15)
Sarangani	1,511	1,183	1,383	(21.74)	16.92
South Cotabato	3,352	3,454	3,021	3.03	(12.52)
Sultan Kudarat	3,587	3,208	3,709	(10.58)	15.63
<b>CARAGA</b>	<b>2,911</b>	<b>2,677</b>	<b>2,624</b>	<b>(8.03)</b>	<b>(1.97)</b>
Agusan del Norte	421	468	402	11.12	(14.12)
Agusan del Sur	1,171	959	1,072	(18.08)	11.74
Surigao del Norte	626	556	568	(11.11)	1.98
Surigao del Sur	680	677	577	(0.43)	(14.84)
Dinagat Islands	13	17	7	26.92	(60.00)
<b>ARMM</b>	<b>7,747</b>	<b>7,253</b>	<b>7,316</b>	<b>(6.37)</b>	<b>0.86</b>
Basilan	447	422	565	(5.53)	33.74
Lanao del Sur	2,735	2,842	2,614	3.92	(8.02)
Maguindanao	4,545	3,968	4,084	(12.69)	2.91
Sulu	8	9	7	6.42	(12.07)
Tawi-tawi	12	12	45	(1.87)	283.86
<b>NEGROS ISLAND REGION</b>	<b>-</b>	<b>-</b>	<b>12,055</b>	<b>-</b>	<b>-</b>
Negros Occidental	-	-	9,496	-	-
Negros Oriental	-	-	2,559	-	-

**CARABAO SITUATION REPORT**

**TABLE 12 Number of Carabaos Slaughtered in Slaughterhouses by Region, Quarter and Semi-annual, Philippines: 2014-2016<sup>P</sup>**  
(number of heads)

Region	2015						
	Q 1	Q 2	SEM1	Q 3	Q 4	SEM2	ANNUAL
<b>PHILIPPINES</b>	<b>53,745</b>	<b>53,248</b>	<b>106,993</b>	<b>54,917</b>	<b>57,152</b>	<b>112,069</b>	<b>219,062</b>
National Capital Region	6,207	4,955	11,162	6,804	6,418	13,222	<b>24,384</b>
Cordillera Administrative Region	281	178	459	94	104	198	<b>657</b>
Ilocos Region	5,338	5,260	10,598	5,409	5,959	11,368	<b>21,966</b>
Cagayan Valley	4,324	4,214	8,538	3,830	4,417	8,247	<b>16,785</b>
Central Luzon	3,429	4,877	8,306	5,151	5,375	10,526	<b>18,832</b>
CALABARZON	5,205	4,902	10,107	4,702	5,033	9,735	<b>19,842</b>
MIMAROPA	304	218	522	231	255	486	<b>1,008</b>
Bicol Region	1,980	1,859	3,839	1,704	1,861	3,565	<b>7,404</b>
Western Visayas	11,835	11,625	23,460	12,222	12,291	24,513	<b>47,973</b>
Central Visayas	1,872	1,923	3,795	1,473	1,847	3,320	<b>7,115</b>
Eastern Visayas	3,750	3,871	7,621	4,038	4,454	8,492	<b>16,113</b>
Zamboanga Peninsula	1,513	1,832	3,345	1,535	1,506	3,041	<b>6,386</b>
Northern Mindanao	1,041	903	1,944	943	1,040	1,983	<b>3,927</b>
Davao Region	3,393	3,141	6,534	3,265	3,158	6,423	<b>12,957</b>
SOCCSKSARGEN	2,238	2,105	4,343	2,258	2,221	4,479	<b>8,822</b>
CARAGA	775	1,142	1,917	950	959	1,909	<b>3,826</b>
Autonomous Region in Muslim Mindanao	260	243	503	308	254	562	<b>1,065</b>
Region	2016						
	Q 1	Q 2	SEM1	Q 3	Q 4	SEM2	ANNUAL
<b>PHILIPPINES</b>	<b>54,000</b>	<b>57,647</b>	<b>111,647</b>	<b>56,343</b>	<b>60,912</b>	<b>117,255</b>	<b>228,902</b>
National Capital Region	5,831	6,169	12,000	6,927	7,223	14,150	<b>26,150</b>
Cordillera Administrative Region	177	200	377	111	129	240	<b>617</b>
Ilocos Region	6,694	6,131	12,825	5,706	6,701	12,407	<b>25,232</b>
Cagayan Valley	4,077	4,426	8,503	3,806	4,218	8,024	<b>16,527</b>
Central Luzon	5,678	6,072	11,750	5,001	5,432	10,433	<b>22,183</b>
CALABARZON	4,325	4,656	8,981	4,475	5,334	9,809	<b>18,790</b>
MIMAROPA	298	261	559	216	282	498	<b>1,057</b>
Bicol Region	1,644	1,686	3,330	1,747	1,702	3,449	<b>6,779</b>
Western Visayas	5,926	6,101	12,027	6,108	6,856	12,964	<b>24,991</b>
Central Visayas	1,548	1,696	3,244	1,637	1,709	3,346	<b>6,590</b>
Eastern Visayas	3,052	3,653	6,705	3,948	4,351	8,299	<b>15,004</b>
Zamboanga Peninsula	1,501	2,109	3,610	1,685	1,729	3,414	<b>7,024</b>
Northern Mindanao	1,059	1,081	2,140	1,101	1,114	2,215	<b>4,355</b>
Davao Region	3,039	3,647	6,686	3,357	3,317	6,674	<b>13,360</b>
SOCCSKSARGEN	1,845	2,484	4,329	2,882	2,705	5,587	<b>9,916</b>
CARAGA	838	1,277	2,115	1,089	1,201	2,290	<b>4,405</b>
Autonomous Region in Muslim Mindanao	271	228	499	304	177	481	<b>980</b>
Negros Island Region	6,197	5,770	11,967	6,243	6,732	12,975	<b>24,942</b>



FIGURE 9 Thematic Map of Production of Carabao:  
January – December 2016

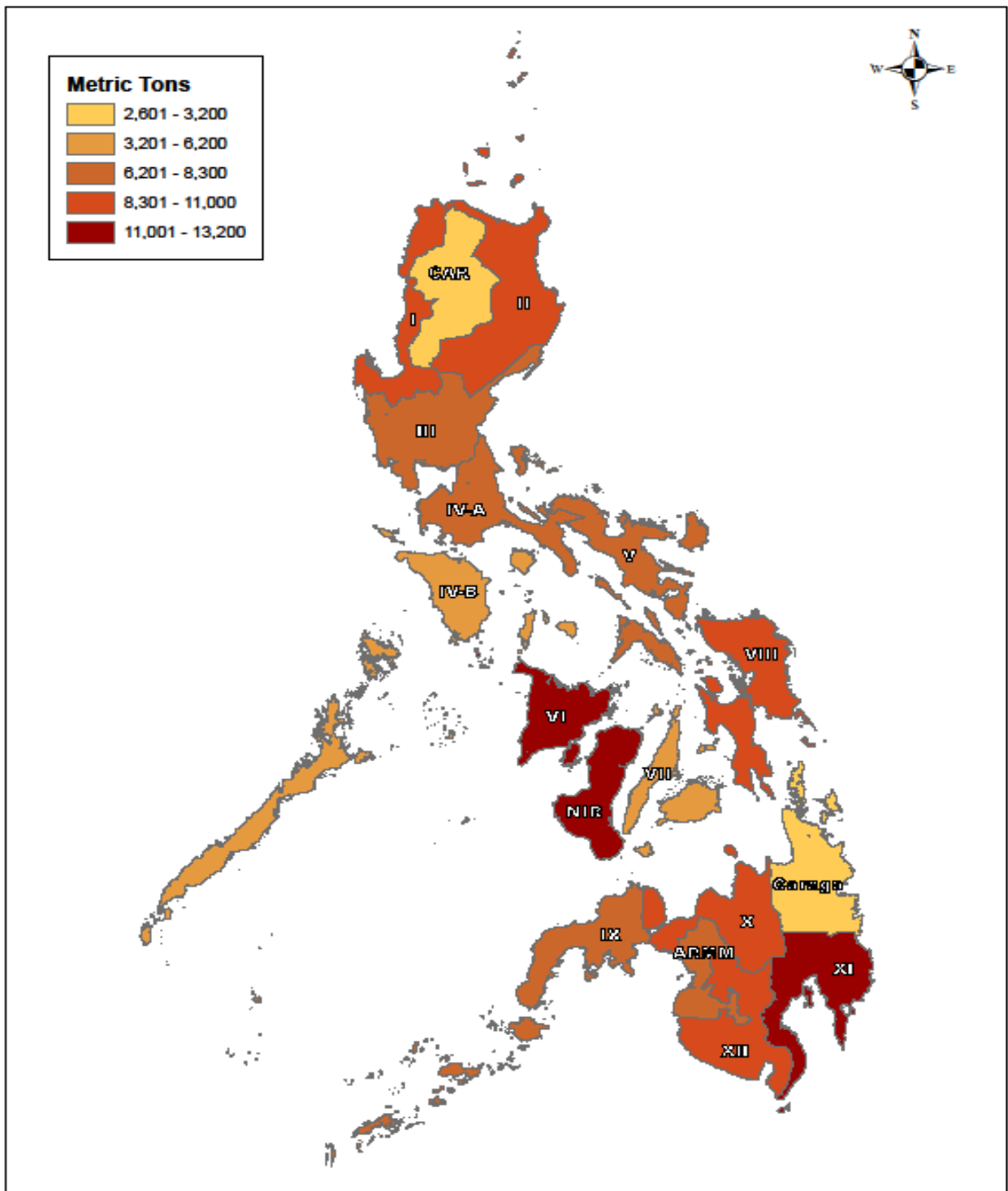
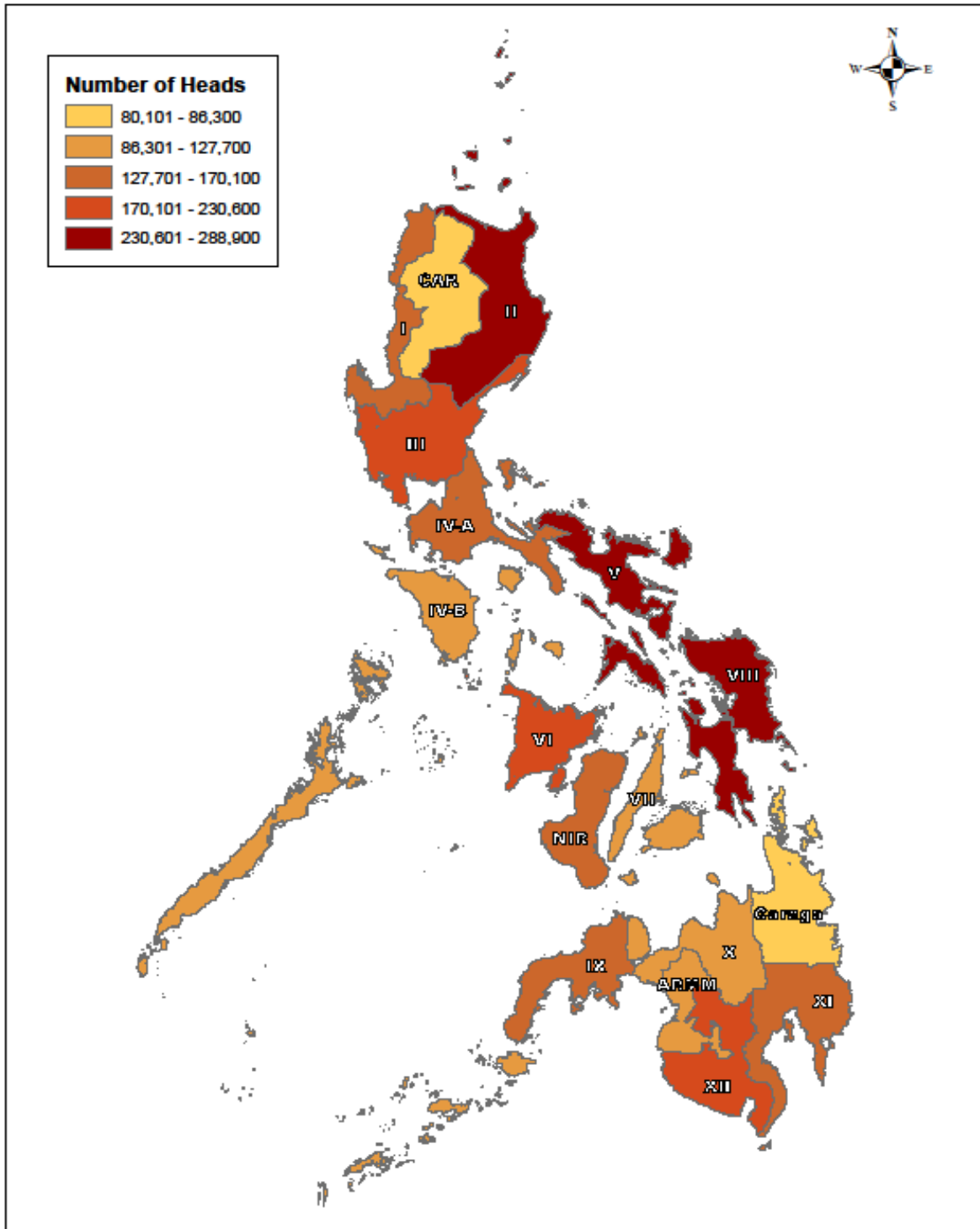
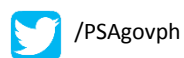


FIGURE 10 Thematic Map of Inventory of Carabao:  
as of January 1, 2016





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PHOTOS: ALCACHUPAS, M. (10 April 2015, Occidental Mindoro). Carabao on Farm with caracalf. ©  
RAMOS, H. (25 March 2015, Batanes). Carabao on Hill. ©  
OCBEÑA, S. (2015, Nueva Ecija). Carabao on Farm. ©  
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